

TOWN OF PARADISE VALLEY

Small Cell Wireless Facilities

Proposed Code Changes

August 19, 2019



TODAY'S GOAL

Review proposed code changes to Section 2-5-2.I of the Town Code, regarding Small Wireless Service Facilities located in the Town's right-of-way and take action.



AGENDA

- Existing Code Language
- Location and Design Impacts
- Proposed Code Changes
- Suspension of Council Rules
- Recommended Action



EXISTING CODE LANGUAGE

- Complete text available in Attachment A
 - c) All antennas and “pole-mounted” equipment shall be within a cylinder or container (or within the replacement pole) that is within two (2) inches of the width or diameter of the adjoining utility pole, with said container width or diameter not to exceed twenty inches. The only protrusions or extensions from the pole shall be those that existed before the replacement pole, that is, in the case of street lights and traffic signals the mast arms or other supports for street lights, street name signs, and traffic signals;



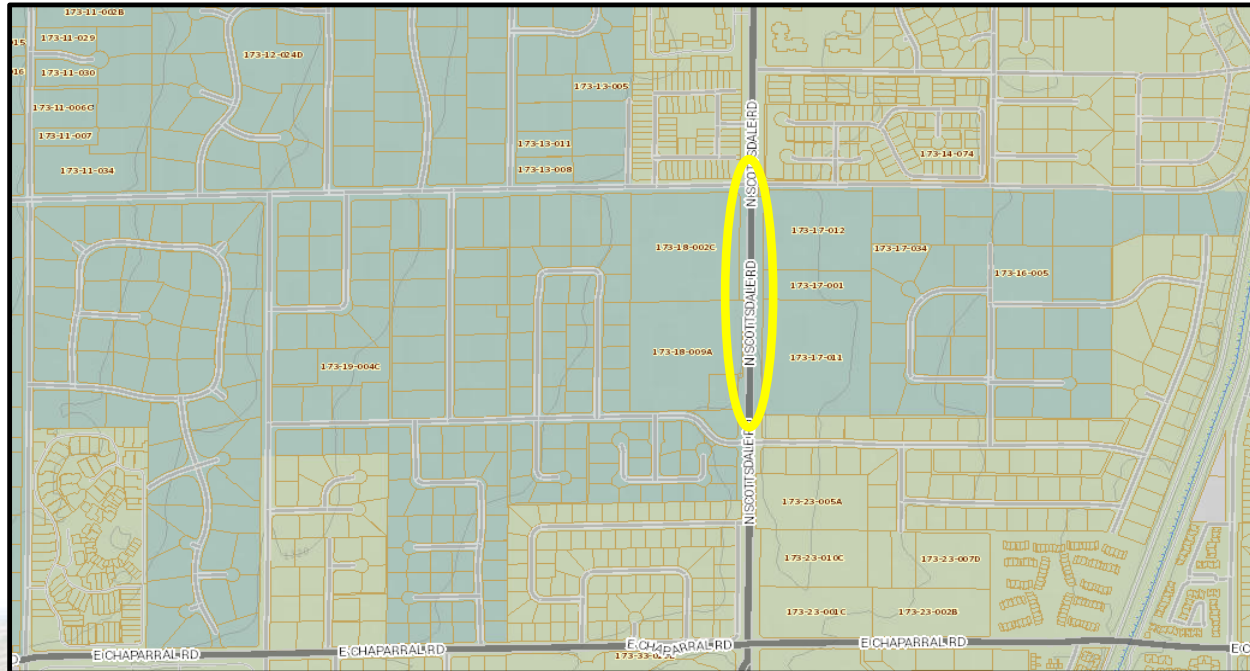
EXISTING CODE LANGUAGE

- Used 56th Street traffic signal installation as model
- 14" diameter pole, 16" diameter canister
- Code allows for up to 20" canister, which would mean an 18" diameter pole
- Works well at traffic signal installations as new signal poles are usually 12" in diameter or larger



LOCATION AND DESIGN IMPACTS

- Proposed Code language is a for installations on Scottsdale Road, a multi-jurisdictional Major Arterial

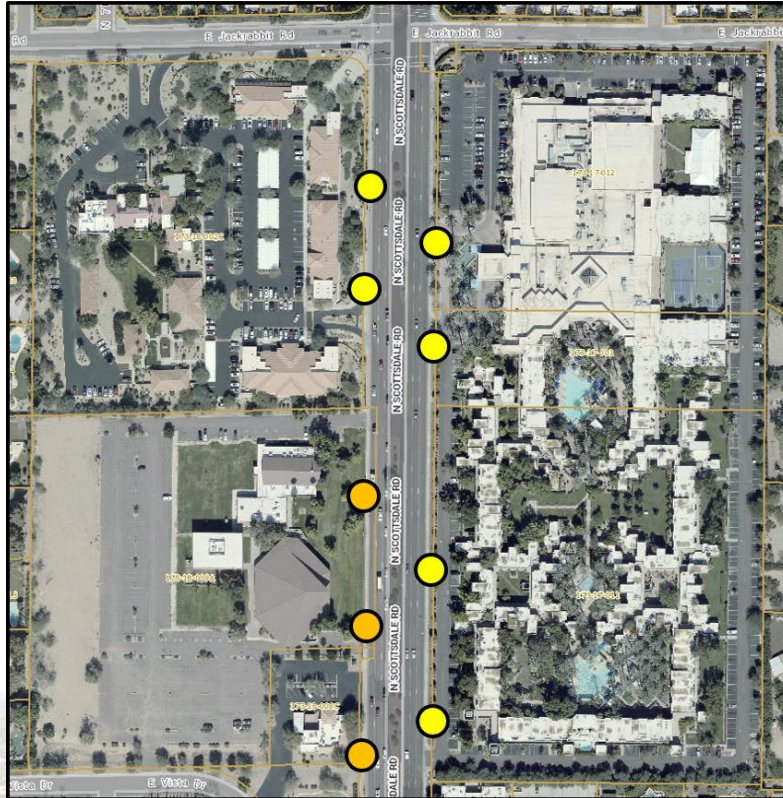


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LOCATION AND DESIGN IMPACTS

- Existing pole locations and types along Scottsdale Road



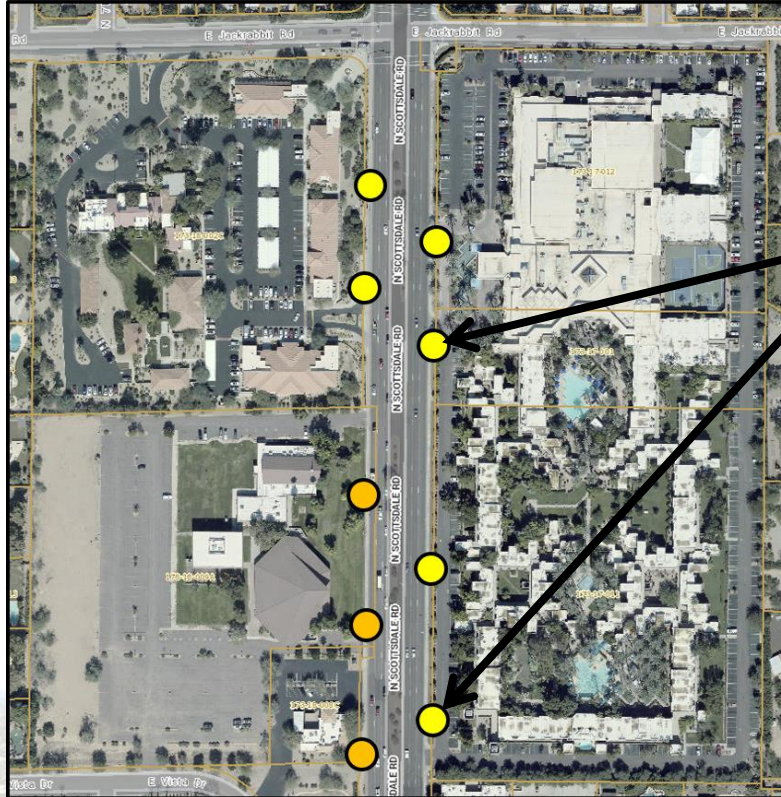
● - Free standing pole



● - Overhead electric pole

LOCATION AND DESIGN IMPACTS

- Request to install new Small Wireless Service Facilities



Requested
locations



● - Free standing pole

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LOCATION AND DESIGN IMPACTS

- Existing light pole is 6 5/8" diameter and 30' tall
- Code compliant replacement is 18" in diameter, 35' to top of canister, canister is 18.3" in diameter (similar in diameter to a 69kv utility pole which is 15-22")
- This is out of character with the streetscape
- If approved, the replacement design under the proposed would be 10" in diameter, 35' to top of canister, canister is 18.3" in diameter, with a tapered shroud



LOCATION AND DESIGN IMPACTS

15" Diameter



22" Diameter



10" Diameter



LOCATION AND DESIGN IMPACTS

Existing Conditions



Current Code



Proposed Code



Note – in either scenario mast arm needs to be revised to match existing



PROPOSED CODE LANGUAGE

- Complete text available in Attachment C
- f) **For all traffic signal installations as well as street light installations not along Scottsdale Road**, all antennas and “pole-mounted” equipment shall be within a cylinder or container (or within the replacement pole) that is within two (2) inches of the width or diameter of the **traffic signal or street light pole to which it is affixed**, with said container diameter not to exceed twenty **(20)** inches. The only protrusions or extensions from the **signal or street light** pole shall be those that existed before the replacement pole, that is, in the case of **traffic signals or street lights** the mast arms or other supports for **luminaires**, street name signs, and traffic signals;



PROPOSED CODE LANGUAGE

- g) For street light installations in a series along Scottsdale Road, the replacement pole shall substantially match the existing pole in finish and color, diameter and taper, and have a luminaire arm that substantially matches the existing luminaire arm of the existing light pole. The application shall be considered in context with adjacent existing light poles to ensure consistency along the streetscape. All antennas and “pole-mounted” equipment shall be within a cylinder or container (or within the replacement pole) with said container not exceeding twenty (20) inches in diameter, with a three hundred and sixty (360) degree shroud that tapers from the bottom of the container to the pole. The only protrusions or extensions from the pole shall be those that existed before the replacement pole, that is, in the case of street lights the mast arms or other supports for luminaires.



SUSPENSION OF COUNCIL RULE

- Council Rule Section VIII(b)(2) requires an Ordinance to be discussed in a study session at least one meeting in advance of the consideration of adoption
- Due to summer recess, minor nature of code change, and time to deployment, staff is recommending Town Council consider suspension of Rule VIII(b)(2)
- Suspension of a Council Rule authorized by Section XIX when agreed upon by majority vote of Town Council



RECOMMENDED ACTION

- Suspend Council Rule Section VIII(b)(2) to consider an Ordinance which has not been previously discussed in a study session at least one meeting in advance.
- Approve Ordinance 2019-09 amending Section 2-5-2.1.6 of the Town Code revising Alternative Design Standards for certain Small Wireless Service Facilities located in Town right-of-way.



THANK YOU

Additional Questions?

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